

SUBSTITUTE ABSTRACT

A dynamic current collector system for a set of toy vehicles disposed on a track. The system includes electroconductive tracks which can be connected to a power supply unit and which are disposed along inner sides of a guide groove. The system also includes current collector elements which are electrically connected to a motor of the vehicle and which are positioned on outer lateral faces of a guide follower flange disposed at a lower front part of the vehicle. The electroconductive tracks are concealed inside the groove. When the vehicle moves along the track with the flange inserted in the guide groove, a dynamic electrical contact is established between the tracks and the current collector elements to supply current to a motor that powers the vehicle.